

CLAIMS

1. A hinge for a vehicle flap, comprising
 - a first hinge part (2), which can be fastened to one of the door arrangement parts - the flap and flap frame,
 - a second hinge part (3), which can be fastened to the other of the door arrangement parts,
 - a hinge pin (4), which connects the first hinge part (2) and the second hinge part (3) to each other pivotably about a pivot axis (S), the hinge pin (4) being accommodated in a rotationally fixed manner in one of the two hinge parts (2, 3) and being mounted pivotably in the other of the two hinge parts (2, 3), and
 - a lever arrangement (17), which couples the first hinge part (2) to the second hinge part (3) and comprises at least one first lever (20), the first lever (20) being connected pivotably to the hinge part (2) arranged on the flap, characterized in that a mount (24) for a motor (16) is provided on the hinge part (2) arranged on the flap, and
 - in that the first lever (20) of the lever arrangement (17) can be driven rotationally by the motor (16).
2. The hinge as claimed in claim 1, characterized in that the lever arrangement (17) and the motor (16) are arranged in an angle region which is defined by the two hinge parts (2, 3) and is to the inside with respect to the vehicle flap.
3. The hinge as claimed in claim 1 or 2, characterized in that the lever arrangement (17) couples the first hinge part (2) to the second hinge part (3) outside the hinge pin (4).
4. The hinge as claimed in one of claims 1 to 3, characterized in that the lever

arrangement (17) comprises a second lever (22), and in that the lever arrangement (17) defines at least one auxiliary pivot axis (H) which is arranged parallel to the pivot axis (S).

5. The hinge as claimed in claim 4, characterized in that the first lever (20) and the second lever (22) are connected to each other pivotably in the auxiliary pivot axis (H).
6. The hinge as claimed in claim 4 or 5, characterized in that the first hinge part (2) has a web (19), and in that the first lever (20) of the lever arrangement (17) is coupled to the web (19).
7. The hinge as claimed in claim 6, characterized in that the web (19) protrudes perpendicularly with respect to a surface of the first hinge part (2) fastening it to the flap.
8. The hinge as claimed in claim 6 or 7, characterized in that the first lever (20) can be driven rotationally by means of a drive shaft (16a) of the motor (16).
9. The hinge as claimed in claim 8, characterized in that the driving of the first lever (20) by the drive shaft (16a) and the coupling of the first lever (20) to the web (19) take place in the same drive axis (A).
10. The hinge as claimed in claim 8, characterized in that the driving of the first lever (20) by the drive shaft and the coupling of the first lever (20) to the second lever (22) take place in the same axis.
11. The hinge as claimed in one of claims 4 to 10, characterized in that the first lever (20) is of H-shaped design, and in that the second lever (22) is of kidney-shaped

design.

12. The hinge as claimed in one of claims 4 to 11, characterized in that a shank (23) which is parallel to the pivot axis (S) is provided on the second hinge part (2) and in that the second lever (22) of the lever arrangement (17) is coupled to the shank (23).
13. The hinge as claimed in claim 12, characterized in that the second lever (22) is connected rotatably to the shank (23).
14. The hinge as claimed in claim 12, characterized in that the second lever (22) is connected in a rotationally fixed manner to the shank (23).
15. The hinge as claimed in one of claims 1 to 14, characterized in that the lever arrangement (17) comprises at least three axes (H, A, S') outside the pivot axis (S).
16. The hinge as claimed in one of claims 1 to 15, characterized in that the lever arrangement (17) defines a step-up from the motor (16) to the second hinge part (3).
17. The hinge as claimed in one of claims 1 to 16, characterized in that the motor (16) is provided on a drive axis (A) which is parallel to the pivot axis (S).
18. The hinge as claimed in claim 17, characterized in that the drive axis (A) is provided outside the pivot axis (S).
19. The hinge as claimed in one of claims 1 to 18, characterized in that the lever arrangement (17) is arranged between the two hinge parts (2, 3) and the holder (23) for the motor (16).
20. The hinge as claimed in one of claims 1 to 19, characterized in that the motor (16)

has, for opening the two hinge parts (2, 3), a direction of action directed counter to the hinge-opening direction.

21. The hinge as claimed in one of claims 1 to 20, characterized in that the second hinge part (3) is of V-shaped design, and in that the hinge pin (4) is provided at one end of a limb (9a) of the V.
22. The hinge as claimed in one of claims 1 to 22, characterized in that the motor (16) is assigned a clutch which defines an idling of the motor (16).